Sextant Observations of the Great Comet (b) 1882, *taken on board the ship "Earnock," on a passage from Glasgow to Melbourne.* By Capt. G. F. Parson.

(*Communicated by Capt. Henry Toynbee, R.N.*)

Date. 1882.	App. Time Ship. A.M. h m	Lat. S. ° ′	Long. W. ° ′	Obs. Alt. ° ′ ″	Distances from Sirius. ° ′	Canopus. ° ′	α Crucis. ° ′	Remarks.
1882, Sept. 22	5 38	22 20	26 50	6 56 30	—	—	—	Stars more at a right angle would have been used, but daylight rendered these the only available ones, owing to their brilliancy.
24	5 10	28 42	26 52	—	64 47	74 54	—	
	5 21	,,	,,	7 20 0	—	—	—	
25	5 11	32 14	25 6	—	63 51	74 10	—	The body of the comet apparently equal to a star of the 1st magnitude.
		,,	,,	7 0 0	—	—	—	
28	5 6	39 20	13 46	—	61 34	71 43	—	Very brilliant.
		,,	,,	11 4 0	—	—	—	
29	4 51	40 7	11 20	—	60 52	—	—	
		,,	,,	—	—	70 57	—	
Not seen again until			E.					
Oct. 13	3 29	43 7	34 36	—	54 6	62 37	—	A good view; tail visible 19½° towards Orion's belt.
14	4 21	43 8	40 28	—	53 41	61 56	—	
Only an occasional glimpse until								
Oct. 24	3 13	41 21	84 25	—	49 50	57	—	
	3 20	,,	,,	21 26	—	—	51 20	Tail visible 17° towards Rigel.
31	2 20	40 30	113 5	—	47 11	53 19	—	Moon rather bright for good observations.
Nov. 2	3 39	40 37	123 29	—	46 30	52 48	—	
7	2 4	38 40	139 50	—	44 29	49 58	48 9	Tail 17½°.

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Sextant Observations of the Great Comet (b) 1882, *made on board the ship "Superb."* By Capt. D. W. Barker.

(*Communicated by Capt. Henry Toynbee, R.N.*)

Date.	Lat. S	Long. W.	Stars used.	Distance from Comet.	Time by Chronometer G. M. T.	Remarks.
	° ′	° ′		° ′ ″	d h m s	
1882, Sept. 28	49 19	173 13	α Crucis	59 18 33	28 3 55 47	Tail about $9\frac{1}{2}^{\circ}$ long. Bright clear morning.
			Canopus	71 13 8	3 57 0	
			Procyon	49 34 8	4 0 21	
Oct. 1	48 47	158 53	α Crucis	58 13 3	1 3 4 23	Tail about 11° long. Brightness comparable with α Orionis. Bright clear morning.
			Canopus	69 10 58	3 6 3	
			Sirius	59 24 23	3 7 38	
4	48 7	152 30	Sirius	57 47 44	4 2 47 51	More or less cloudy. Tail longer and less bright.
			Canopus	67 16 8	2 43 8	
5	48 26	150 46	α Centauri	67 24 59	5 1 16 15	Passing clouds. Tail extending directly towards α Hydræ, almost reaching it. Less bright.
			Canopus	66 39 59	1 17 38	
			Sirius	57 16 59	1 31 33	
13	50 48	112 41	Canopus	62 16 29	12 23 36 25	Tail getting fainter and longer. Fine and clear weather.
			Sirius	53 0 29	23 38 54	
30	45 56	45 14	β Centauri	58 25 25	29 17 3 12	Bright clear weather. Much fainter than when last observed.
			Canopus	53 42 45	17 12 35	

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